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TRAN = ★ Q35 92-014845/02 ★ SU 1643-352-A
Suction-pressure arrangement for pneumatic conveyor - air flow is
controlled by valves operated by load detectors on pipeline

TRANSPROGRESS DES 26.05.88-SU-459670

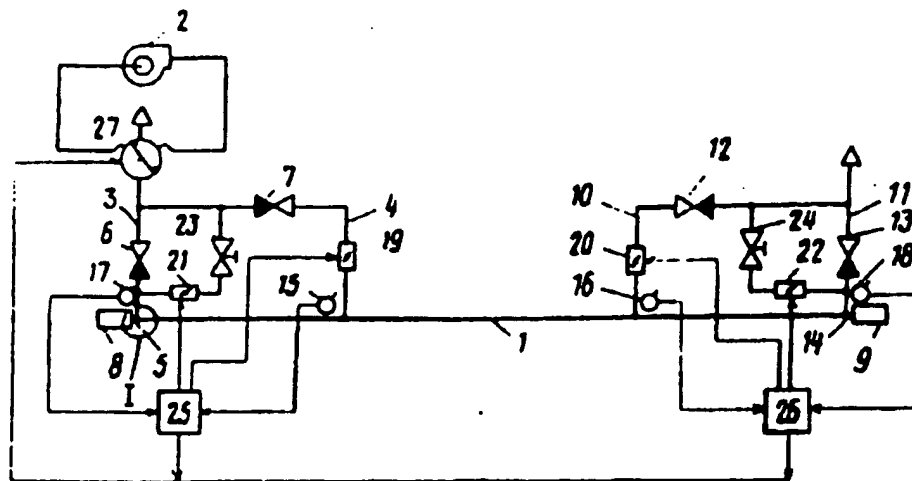
(23.04.91) B65g-51/04

26.05.88 as 459670 (1575MB)

The container is moved along the conveying pipeline, in either direction, by applying compressed air or suction at one end of the pipeline. The braking of the container at the end of its travel is effected automatically by controlling the air flow, without requiring separate braking mechanisms.

The fan (2) is connected via the valve (27) and air lines (3,4) to the pipeline (1) at the end (8). The creation of pressure or suction in the pipeline is effected by the setting of the valves (19,21) by the controller (25), in accordance with the signals from the detectors (15,17), which monitor the travel of the container along the pipeline. A similar arrangement of air lines (10,11) and valves (20,22), set by the controller (26), at the other end of the pipeline, controls the air flow at that end of the pipeline, in accordance with the signals from the detectors (16,18), which monitor the travel of the container at that end of the pipeline.

ADVANTAGE - Provides improved reliability of pneumatic conveying of loads in containers. Bul.15/23.4.91. (3pp Dwg.No.1/2)
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